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# NOTICE OF ALLOWANCE AND FEE(S) DUE

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7590

06/30/2008

KNOBBE MARTENS OLSON & BEAR LLP 2040 MAIN STREET FOURTEENTH FLOOR IRVINE. CA 92614 EXAMINER

MANOHARAN, VIRGINIA

ART UNIT PAPER NUMBER

1797

DATE MAILED: 06/30/2008

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATT	ATTORNEY DOCKET NO.	CONFIRMATION NO.

10/614,680 07/03/2003 Markus Weber FLGDK16.001AUS 7379

TITLE OF INVENTION: CONTINUOUS PROCESS FOR RECOVERING ACETONE FROM A WASTE STREAM RESULTING FROM ACETONE PURIFICATION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$0	\$1440	\$1440	09/30/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ap in m

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			nav			of Mailing or Trans	amission
2040 MAIN STR FOURTEENTH	FLOOR	& BEAR LLP	I he Stal add trar	ereby certify that thi	s Fee(s	Transmittal is being	g deposited with the United st class mail in an envelope above, or being facsimile late indicated below.
IRVINE, CA 926	514						(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	2	ATTO:	RNEY DOCKET NO.	CONFIRMATION NO.
10/614,680 TITLE OF INVENTION PURIFICATION	07/03/2003 I: CONTINUOUS PRO	CESS FOR RECOVER	Markus Weber ING ACETONE FROM	A WASTE STREA		GDK16.001AUS SULTING FROM A	7379 CETONE
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE	E FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$0	\$1440		\$1440	09/30/2008
EXAM	INER	ART UNIT	CLASS-SUBCLASS	]			
MANOHARA	N, V1RG1N1A	1797	203-029000	-			
"Fee Address" indi PTO/SB/47; Rev 03-0. Number is required.  3. ASSIGNEE NAME AT PLEASE NOTE: Unlo	ess an assignee is identi n in 37 CFR 3.11. Comp	'Indication form ed. Use of a Customer A TO BE PRINTED ON 'ified below, no assignee	(1) the names of up to or agents OR, alternati (2) the name of a sing registered attorney or 2 registered patent atto listed, no name will be THE PATENT (print or ty data will appear on the p T a substitute for filing an (B) RESIDENCE; (CIT)	ively, le firm (having as a agent) and the name orneys or agents. If reprinted.  pe) patent. If an assigner assignment.	membes of up no nam	er a 2	ocument has been filed for
4a. The following fee(s) a  lssue Fee  Publication Fee (N		4lpermitted)	o. Payment of Fee(s): (Plee A check is enclosed. Payment by credit ca	ase first reapply an	y prev  is atta	iously paid issue fee ched.	·
	s SMALL ENTITY statu	is. See 37 CFR 1.27.	☐ b. Applicant is no lon	nger claiming SMAL	L ENT	Γ1ΤΥ status. See 37 C	FR 1.27(g)(2).
NOTE: The Issue Fee and interest as shown by the r	d Publication Fee (if requeecords of the United Sta	uired) will not be accepte tes Patent and Trademark	d from anyone other than Office.	the applicant; a regis	stered a	attorney or agent; or th	ne assignee or other party ir
Authorized Signature				Date			
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This collection of informa an application. Confident submitting the completed this form and/or suggestie Box 1450, Alexandria, V. Alexandria, Virginia 223	iality is governed by 35 l application form to the ons for reducing this bui irginia 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to the NOT SEND FEES OR	on is required to obtain or 1.14. This collection is es depending upon the indi- e Chief Information Offic COMPLETED FORMS T	retain a benefit by the timated to take 12 n vidual case. Any con- er, U.S. Patent and T O THIS ADDRESS.	ne publ ninutes mment Fradem . SENI	ic which is to file (and to complete, includir s on the amount of ti- nark Office, U.S. Dep D TO: Commissioner	d by the USPTO to processing gathering, preparing, and me you require to complete artment of Commerce, P.O for Patents, P.O. Box 1450

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10/614,680	07/03/2003	Markus Weber	FLGDK16.001AUS	7379		
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KNOBBE MART	TENS OLSON & BE	MANOHARAN, VIRGINIA				
2040 MAIN STRE	-		ART UNIT	PAPER NUMBER		
FOURTEENTH FLOOR IRVINE, CA 92614			1797			
111 (11 (11), 011)201			DATE MAILED: 06/30/2008			

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 342 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 342 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)			
	10/614,680	WEBER ET AL.			
Notice of Allowability	Examiner	Art Unit			
	Virginia Manoharan	1797			
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313 1.   This communication is responsive to RCE of June 3, 2008.  The allowed claim(s) is/are 2,3,5-8,10-21 and 24-26.  Acknowledgment is made of a claim for foreign priority ur a)  All b)  Some* c)  None of the:	ears on the cover sheet with this appoint or other appropriate communication is subject to and MPEP 1308.	orrespondence address plication. If not included n will be mailed in due course. THIS			
<ol> <li>Certified copies of the priority documents have</li> </ol>	e been received.				
<ol><li>Certified copies of the priority documents have</li></ol>	been received in Application No				
3. Copies of the certified copies of the priority do	cuments have been received in this	national stage application from the			
International Bureau (PCT Rule 17.2(a)).					
* Certified copies not received:					
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4.   A SUBSTITUTE OATH OR DECLARATION must be subm	IENT of this application.				
INFORMAL PATENT APPLICATION (PTO-152) which give					
5. CORRECTED DRAWINGS (as "replacement sheets") mus					
(a) including changes required by the Notice of Draftspers	· · · · · · · · · · · · · · · · · · ·	-948) attached			
1)  hereto or 2)  to Paper No./Mail Date					
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date					
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	he header according to 37 CFR 1.121	(d).			
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.					
<ul> <li>Attachment(s)</li> <li>1. ☐ Notice of References Cited (PTO-892)</li> <li>2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)</li> <li>3. ☐ Information Disclosure Statements (PTO/SB/08),</li></ul>	5. ☐ Notice of Informal F 6. ☐ Interview Summary Paper No./Mail Da 7. ☐ Examiner's Amend 8. ☒ Examiner's Stateme 9. ☐ Other /Virginia Manoharan/	r (PTO-413), te			
	Primary Examiner, Art Uni	t 1797			

### REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

The problem addressed by the instant method is to provide a process for recovering acetone from a waste stream from an acetone purification stage which requires less apparative expenses and preferably reduces maintenance costs as well. See pages 2-3, para [0011].

This problem is solved according to the invention by providing a continuous process for recovering acetone from a waste stream from an acetone purification stage said waste stream comprising mesityl oxide, and optionally acetone by: i) separating the waste stream in a separating device at least in one stream comprising mesityl oxide, and optionally in a further stream comprising acetone, ii) concentrating mesityl oxide in the mesityl oxide containing stream and iii) recycling the concentrated mesityl oxide stream to the separating device and bringing it into contact with a basic or acidic medium or with an acidic catalyst in the presence of water whereby mesityl oxide is at least partially hydrolyzed to acetone. See page 3, paragraph [0012].

U.S. Patent 2,351,352 to McAllister et al and JP54070210 are both listed in IDS filed on June 3, 2008. McAllister et al is directed to a process of distilling a mixture of mesityl oxide, diacetone alcohol and isophorone in the presence of aqueous sodium hydroxide solution to separate mesityl oxide from the mixture. The Japanese Patent '210 is directed to a process of obtaining acetone from a hydrocarbon containing mesityl oxide by using an alkali waste liquor from acetone purification process. However, both references fail to disclose, interalia, treating a waste stream obtained from acetone purification by first separating mesityl oxide from the waste

stream and then concentrating mesityl oxide and recycling the concentrated mesityl oxide into the separation device as claimed e.g., in claim 13.

Thus, the subject matter of claims 2-3, 5-8, 10-21 and 24-26 is neither disclosed by the prior art nor is obvious. The claims are deemed allowable over the prior of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Virginia Manoharan whose telephone number is 571-272-1450.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Caldarola, can be reached on 571-272-1444.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Virginia Manoharan/ Primary Examiner, Art Unit 1797 Application/Control Number: 10/614,680

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